

CLAIMS:

- 1) The use of wax-coated pigment granules as colorants in electrophotographic toners and developers, powder coating materials, inkjet inks, electret materials, and color filters, wherein the coated pigment granules have a particle size of between 0.05 and 5 mm and a wax content of from 1 to 50% by weight, based on the overall weight of the coated pigment granules.
- 2) The use as claimed in claim 1, wherein the coated pigment granules have a wax content of from 5 to 40% by weight, based on the overall weight of the coated pigment granules.
- 3) The use as claimed in claim 1, wherein the organic pigment is an azo pigment or a polycyclic pigment.
- 4) The use as claimed in claim 3, wherein the polycyclic pigment is an isoindolinone, isoindoline, anthranthrone, thioindigo, quinophthalone, anthraquinone, dioxazine, phthalocyanine, quinacridone, perylene, perinone, thiazineindigo, diketopyrrolopyrrole and/or azomethine pigment.
- 5) The use as claimed in claim 1, wherein the wax is natural wax, a modified natural wax, a semisynthetic wax, a fully synthetic wax, an amide wax, a chlorinated or fluorinated polyolefin wax, or a thermoplastic polyester resin, epoxy resin, styrene-acrylate copolymer resin, styrene-butadiene copolymer resin or cycloolefin copolymer resin.
- 6) The use as claimed in claim 5, wherein the fully synthetic wax is a polyolefin wax, a cycloolefin copolymer wax or a polyethylene glycol wax.
- 7) The use as claimed in claim 6, wherein the polyolefin wax is a polyolefin wax containing polar groups which has been formed by subsequent

PRINTED IN THE UNITED STATES OF AMERICA

oxidation of the polyolefin wax, by graft reaction with monomers containing carboxylic acid, carboxylic ester, carboxylic anhydride or hydroxyl groups, or by copolymerization of an olefin and a monomer containing carboxylic acid, carboxylic ester, carboxylic anhydride or hydroxyl groups.

8) The use as claimed in claim 1, wherein the wax has a dropping point of between 60 and 180°C, preferably between 80 and 140°C.

9) The use as claimed in claim 1, wherein the coated pigment granules are spray dried.

10) The use as claimed in claim 1, wherein the coated pigment granules are used in combination with a charge control agent selected from the group consisting of triphenylmethanes; ammonium and immonium compounds; iminium compounds; fluorinated ammonium compounds and fluorinated immonium compounds; bisscationic acid amides; polymeric ammonium compounds; diallylammonium compounds; aryl sulfide derivatives; phenol derivatives; phosphonium compounds and fluorinated phosphonium compounds; salt-like structured silicates; calix(n)arenes; resorcinols; cyclically linked oligosaccharides, interpolyelectrolyte complexes; polyester salts; metal complex compounds; boron complexes of 1,2-dihydroxyaromatics, 1,2-dihydroxyaliphatics or 2-hydroxy-1-carboxyaromatics; benzimidazolones; azines, thiazines, and oxazines.

11) The use as claimed in claim 10, wherein the charge control agent is present in the pigment granules in an amount of from 0.1 to 30% by weight, based on the overall weight of the coated pigment granules.

12) The use as claimed in claim 1 in liquid toners or powder toners.

- 13) The use as claimed in claim 1, wherein the coated pigment granules are used in an amount of from 0.1 to 90% by weight, preferably from 0.5 to 40% by weight, based on the overall weight of the electrophotographic toner, powder coating material or electret material.
- 14) The use as claimed in claim 1, wherein the coated pigment granules are used in the form of a masterbatch.